Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/18/2018 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123857	-1	0.96	123899	0.95
Blue	F	SSC	125000	126006	0	1.93	126701	1.95
Blue	E	FITC	16596	16168	-3	2.92	348	21.82
Blue	D	PE	29392	28646	-3	1.93	623	16.15
Blue	B	PerCP-Cy5-5	38531	38565	0	4.69	1185	21.91
Blue	A	PE-Cy7	26351	26279	-1	9.50	659	43.77
Red	C	APC	43035	42470	-2	2.70	1595	12.92
Red	A	APC-Cy7	25611	25461	-1	4.35	889	12.89
Violet	B	V450	8803	8400	-5	4.06	463	14.22
Violet	A	V500	32560	31726	-3	3.80	737	10.94

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20538	3.49	605	8	N/A	N/A	Pass
Blue	F	SSC	57183	1.38	573	18	N/A	N/A	Pass
Blue	E	FITC	61	68.71	557	7	0.0160	120	Pass
Blue	D	PE	129	55.17	557	8	0.1355	282	Pass
Blue	B	PerCP-Cy5-5	226	51.40	662	11	0.0079	30	Pass
Blue	A	PE-Cy7	128	109.89	718	13	0.0097	35	Pass
Red	C	APC	374	28.22	601	4	0.0222	235	Pass
Red	A	APC-Cy7	217	28.00	576	5	0.0051	1211	Pass
Violet	B	V450	74	64.17	477	2	0.0474	2312	Pass
Violet	A	V500	110	34.44	487	3	0.0198	583	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.75	-32.43	1.11
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	16.98	13.60 - 20.40	N/A	N/A	29.67	30.09	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10669

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments